

Docket No. AUS990880US1

## ABSTRACT OF THE DISCLOSURE

### METHOD AND SYSTEM FOR PRESENTATION AND MANIPULATION OF PKCS ENVELOPED-DATA OBJECTS

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A method and system for processing enveloped data objects in a data processing system is presented. The enveloped data object may be formatted, i.e. may maintain a syntax, as defined by PKCS (Public Key Cryptography Standard) standards. An enveloped data object utility allows a user to view and edit the contents of data objects embedded within an enveloped data object via a graphical user interface. Graphical objects represent the data objects embedded within an enveloped data object. A user may drag and drop objects onto other objects within the enveloped data object, and the enveloped data object utility automatically performs the necessary encrypting operations. Logical associations between data objects contained within the enveloped data object, such as between certificates and recipient information objects, are determined or created, and the logical associations are displayed using visual indicators, such arrows or other links, between graphical objects representing the associated data objects. As data objects are added or deleted through user actions on the graphical objects, the visual indicators are updated to reflect any updates to the logical associations between the data objects. The user may direct other operations on the enveloped data object through the graphical user interface.

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